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| FORM PTO-1390   |  | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No.<br>2732-139                                   |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>   |  |   | U.S. Application No. (if known, see 37 CFR 1.5)<br><b>10/504816</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/EP03/01677   | INTERNATIONAL FILING DATE<br>February 19, 2003 | PRIORITY DATE CLAIMED<br>February 22, 2002              |   |
| TITLE OF INVENTION<br>SECURITY DOCUMENT AND SECURITY ELEMENT FOR A SECURITY DOCUMENT  |  |   |   |
| APPLICANT(S) FOR DO/EO/US<br>Manfred HEIM   |  |   |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |  |   |   |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input checked="" type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> |  |   |   |
| ITEMS 11. TO 20. below concern other document(s) or information included:   |  |   |   |
| <ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment w/substitute specification (clean and marked-up versions)</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input checked="" type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: <b>Front Page of WO 03/070482 A1, ISR, PCT Request</b></li> </ol>  |  |   |   |

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| U.S. APPLICATION NO. (If known, see 37 CFR 1.50)<br><b>10/504816</b>   |              | INTERNATIONAL APPLICATION NO.<br>PCT/EP03/01677 |            | ATTORNEY DOCKET NO.<br>2732-139   |           |
| 21. <input checked="" type="checkbox"/> The following fees are submitted:<br><b>Basic National Fee (37 CFR 1.492)(a)(1)-(5):</b><br>Neither international preliminary examination fee (37 CFR 1.482)<br>nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and<br>International Search Report Not Prepared by EPO or JPO. .... \$ 1,080.00<br>International preliminary examination fee (37 CFR 1.482) not paid to USPTO<br>but International Search Report has been prepared by the EPO or JPO. .... \$ 920.00<br>International preliminary examination fee (37 CFR 1.482) not paid to USPTO<br>but international search fee (37 CFR 1.445(a)(2)) paid to USPTO. .... \$ 770.00<br>International preliminary examination fee (37 CFR 1.482) paid to USPTO<br>but claims did not satisfy provisions of PCT Article 33(1)-(4). .... \$ 730.00<br>International preliminary examination fee (37 CFR 1.482) paid to USPTO<br>and all claims satisfied provisions of PCT Article 33(1)-(4). .... \$ 100.00<br><br><div style="text-align: right;"><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b></div> |              |   |            | <div style="border: 1px solid black; padding: 2px;"> <b>CALCULATIONS</b> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <b>PTO USE ONLY</b> </div>  |           |
| Surcharge of \$130.00 for furnishing the oath or declaration later than [ ] 20 [ ] 30<br>months from the earliest claimed priority date (37 CFR 1.492(e)).   |              |   |            | \$  |           |
| Claims   | Number Filed | Number Extra                                    | Rate       |   |           |
| Total Claims   | 39-20 =      | 19  | X \$18.00  | \$ 342.00   |           |
| Independent Claims   | 3- 3 =       |   | X \$86.00  | \$  |           |
| Multiple dependent claim(s) (if applicable)  |              |   | + \$290.00 | \$  |           |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |   |            | \$ 342.00   |           |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated<br>above are reduced by 1/2.  |              |   |            | \$  |           |
| <b>SUBTOTAL =</b>  |              |   |            | \$1262.00   |           |
| Processing fee of \$130.00 for furnishing the English translation later than [ ] 20 [ ] 30<br>months from the earliest claimed priority date (37 CFR 1.492(f)).  |              |   |            | \$  |           |
| <b>TOTAL NATIONAL FEE =</b>  |              |   |            | \$1262.00   |           |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be<br>accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |              |   |            | \$ 40.00  |           |
| <b>TOTAL FEES ENCLOSED =</b>   |              |   |            | \$  |           |
|  |              |   |            | Amount to be<br>refunded  | \$        |
|  |              |   |            | charged   | \$1302.00 |
| a. <input type="checkbox"/> A check in the amount of \$_____ to cover the above fees is enclosed.<br>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 02-2135 in the amount of \$1302.00 to cover the above fees.<br>A duplicate copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment<br>to Deposit Account No. 02-2135. A duplicate copy of this sheet is enclosed.<br><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a)<br/>         or (b)) must be filed and granted to restore the application to pending status.</b>   |              |   |            |   |           |
| SEND ALL CORRESPONDENCE TO:<br><br><b>Customer No. 6449</b><br><br>George R. Repper<br>Rothwell, Figg, Ernst & Manbeck<br>1425 K St., N.W.<br>Washington, D.C. 20005<br>Phone: 202/783-6040  |              |   |            | <div style="text-align: center;"> <br/>         Signature       </div> <div style="text-align: center; margin-top: 10px;">         George R. Repper<br/>         Name       </div> <div style="text-align: center; margin-top: 10px;">         31,414<br/>         Registration Number       </div> |           |